

TORREYA

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ADDITIONS TO THE RECORDED FLORA OF LONG
ISLAND

BY A. J. GROUT

The following list of plants contains additions to the list published by Dr. Smith Ely Jelliffe in 1899. A few of the plants were in the herbarium of the Brooklyn Institute of Arts and Sciences at the time Dr. Jelliffe's list was published. Some others were in the herbarium of the late Rev. Dr. George D. Hulst, which has recently been presented to the Museum. Shortly before his death Dr. Hulst prepared a list of additions to Dr. Jelliffe's Flora, which contained a number of species not incorporated here because of the lack of specimens of such in any accessible herbarium.

The greater portion of the flowerless plants have been collected by the writer during the past three years and unless otherwise noted all plants listed were collected by him. The fungi are very poorly represented in Dr. Jelliffe's list and it is to be hoped that some one who has made a study of these plants will come forward with additional information.

FUNGI

Anthurus borealis Burt. In a back yard, Brooklyn; brought in by a High School boy.

Microsphaera quercina (Schw.) Burrill. On *Quercus alba*, Jamaica.

Microsphaera grossulariac (Wallr.) Lév. Common on leaves of *Sambucus Canadensis*.

Phyllactinia suffulta (Reb.) Sacc. On chestnut leaves, Jamaica. Undoubtedly common.

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HEPATICAE

Anthoceros punctatus L. Muddy borders of stagnant pools, Forest Park. Determined by Dr. M. A. Howe.

MUSCI

Buxbaumia aphylla L. Soil in sandy woods near water works, Jamaica South.

Pleuridium subulatum (L.) Rabenh. Sandy fields, Lawrence.

Mnium punctatum L. var. *elatum* Schimp. Swamp, Jamaica.

Mnium rostratum Schrad. On soil, Jamaica.

Thelia asprella (Schimp.) Sulliv. Bark of tree, Cold Spring.

Thelia Lescurii Sulliv. Sandy soil by railroad track, Rockville Center, Lynbrook.

Hypnum chrysophyllum Brid. Sticks and hummocks in swamps, Valley Stream. New Lots, Brainerd.

H. cordifolium Hedw. Bare wet spots in swamps, Valley Stream.

H. crista-castrensis L. Rotting base of tree, Cold Spring.

H. molluscum Hedw. Sandy soil in woods, Jamaica. Very abundant at Northport.

H. Patientiae Lindb. Soil in swamps, Valley Stream.

Plagiothecium Ruthci Limpr. Abundant on hummocks and about bases of trees, Valley Stream.

This is Dr. Best's determination of the moss issued as nos. 55 and 55a of my N. Am. Musci Pleurocarpi, confirmed by J. Cardot and Dr. E. Levier. It is monoicous, hence is not *P. sylvaticum*. It is too strongly differentiated from *P. denticulatum* to be with propriety included under that species, although I was at one time inclined to place it under forma *propagulifera* Ruthe, because of the numerous protonema-like propagula borne on the base of the midribs of the leaves. A very striking character of this plant is the folding together of the leaf at the base to sheathe the leaf next above.

Plagiothecium striatellum (Brid.) Lindb. Common in swamps, but having spreading leaves like a *Campylium*.

Raphidostegium admistum (Sulliv.). *Hypnum admistum*

Sulliv. Proc. Am. Acad. 5: 289. 1861. On peaty soil near swamp, Jamaica.

R. recurvans (Michx.) J. & S. Peaty soil in swamp, Valley Stream.

Brachythecium acutum (Mitt.) Sulliv. On ground in swamps, Valley Stream.

B. Novoboracense Grout, Bryologist, July, 1900. Soil in swamp, Valley Stream.

B. oxycladon (Brid.) J. & S. Forest Park.

Bryhnia Novae-Angliae (Sulliv. & Lesq.) Grout. Common in swamps on Long Island.

Eurhynchium strigosum var. *praecox* (Hedw.) Husnot. On soil, Prospect Park.

Climacium Kindbergii (R. & C.) Grout. Common on sticks and hummocks in swamps of Long Island.

Fylaisia Schimperii R. & C. Bark of apple trees, Cold Spring.

PTERIDOPHYTA

Dryopteris simulata Davenp. Long Island, *Hulst.*

Equisetum hyemale L. Salt Meadows, Flushing Creek. New Lots, *Brainerd.*

E. sylvaticum L. Glen Cove, *Brainerd.*

Lycopodium lucidulum Michx. Not infrequent in the cool swamps of Long Island.

SPERMATOPHYTA

Potamogeton crispus L. Cold Spring Harbor, *Hulst.*

Scirpus caespitosus L. Reported in Dr. Jelliffe's list, but undoubtedly an error.

Quercus prinoides Willd. Wading River, *Miller.*

Rumex Patientiae L. Brooklyn, Forbells, *Hulst.*

R. persicarioides L. Montauk Point, *Hulst.*

Chenopodium Boscianum Moq. Rockaway, *Hulst.*

Amaranthus crispus (Lesq. & Thev.) Braun. Kings County, *Calverly.*

Lychnis Coronaria (L.) Desv. Hicksville, *Hulst.*

Ranunculus hispidus Michx. Common in open woods.

R. septentrionalis Poir. Queens County, *Calverly.*

- Papaver dubium* L. In fields. Oyster Bay, *Hall*.
- Alliaria Alliaria* (L.) Britton. Flatbush, Woodhaven. Collector unknown.
- Cardamine Pennsylvanica* Muhl. In stream near New Lots, *Brainerd*.
- C. flexuosa* With. Forbells, *Hulst*.
- Rubus setosus* Bigel. Jamaica, *Hulst*.
- R. Baileyanus* Britton. Sandy soil near shore, Rockaway.
- Potentilla arguta* Pursh. Springfield, *Hulst*.
- P. intermedia* L. Flushing, *Hulst*.
- Amelanchier Botryapium* (L.) DC. Low swampy thickets, Jamaica.
- Lotus corniculatus* L. On ballast, Brooklyn, *Hulst*.
- Geranium Bicknellii* Britton. Aqueduct, *Hulst*.
- G. dissectum* of Jelliffe's list is probably an error, as Dr. Hulst's specimen so labeled is *Erodium*.
- Euphorbia maculata* L. Brooklyn and Queens, *Calverly*; Long Island, *Brainerd*.
- Hypericum prolificum* L. Queens County, *Calverly*.
- Elatine Americana* (Pursh) Arn. Suffolk, *F. F. Allen*; Gowanus, *Brainerd*.
- Lechea villosa* Ell. Woodhaven and Cypress Hills, *Hulst*.
- Viola Atlantica* Britton. Abundant in moist meadows at Valley Stream.
- Gaura biennis* L. Long Id., *Zabriskie*; Queens County, *Calverly*.
- Zizia cordata* (Walt.) DC. Common in woods about Brooklyn.
- Asclepias pulchra* Ehrh. Forbells, *Hulst*.
- Clinopodium vulgare* L. Maspeth, *Hulst*.
- Physalis heterophylla* Nees. Moist railroad embankment, Far Rockaway.
- Petunia parviflora* Juss. On ballast, Brooklyn, *Hulst*.
- Pedicularis lanceolata* Michx. Forbells, *Hulst*.
- Phryma Leptostachya* L. Cypress Hills, *Hulst*.
- Plantago aristata* Michx. Cold Spring Harbor, *Hulst*.
- P. media* L. Brooklyn, *Hulst*.
- Lonicera Xylosteum* L. Flushing.

Leontodon nudicaule of Jelliffe's list is evidently based on a specimen of Dr. Hulst's so labeled which specimen is

Picris hieracioides L.

Lactuca sagittifolia Ell. Rockaway.

Crepis virens L. Richmond Hill, Cypress Hills, *Hulst.*

Xanthium Canadense Mill. The common form is var. *echinatum*.

Solidago juncea Ait. Cypress Hills, *Hulst.*

Hypochaeris radicata L. Cedarhurst.

Antennaria neglecta Greene. Common in sandy fields.

Senecio obovatus Muhl. Richmond Hill, *Hulst.*

BOYS' HIGH SCHOOL, BROOKLYN.

A KEY TO THE NORTH AMERICAN GENERA AND SPECIES OF THE HYGROPHOREAE.—I

BY F. S. EARLE

KEY TO THE GENERA

- | | |
|---|-----------------|
| 1. Spores black or dark brown. | A. GOMPHIDIUS. |
| Spores white or whitish. | 2. |
| 2. Usually parasitic on other agarics; basidiospores mostly replaced by chlamydospores. | B. NYCTALIS. |
| Not parasitic on agarics; no chlamydospores. | 3. |
| 3. With a glutinous veil when young, leaving a more or less persistent annulus. | C. LIMACIUM. |
| With no veil or annulus. | D. HYGROPHORUS. |

A. KEY TO THE NORTH AMERICAN SPECIES OF GOMPHIDIUS

- | | |
|---|---------------------------------|
| 1. Pileus white or whitish. | 2. |
| Pileus some shade of red or brown. | 3. |
| Pileus dingy pink; lamellae whitish; stipe yellow. | <i>G. flavipes</i> Pk. |
| 2. Stipe yellow, shorter than the diameter of the pileus. | <i>G. maculatus</i> (Scop.) Fr. |
| Stipe white, longer than the diameter of the pileus. | <i>G. furcatus</i> Pk. |
| 3. Stipe concolorous (reddish or brownish). | 4. |
| Stipe at first white or whitish. | 7. |